

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022023\
 Data File : VX034178.D
 Acq On : 20 Feb 2023 11:31
 Operator : JC/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK

Quant Time: Feb 21 01:05:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

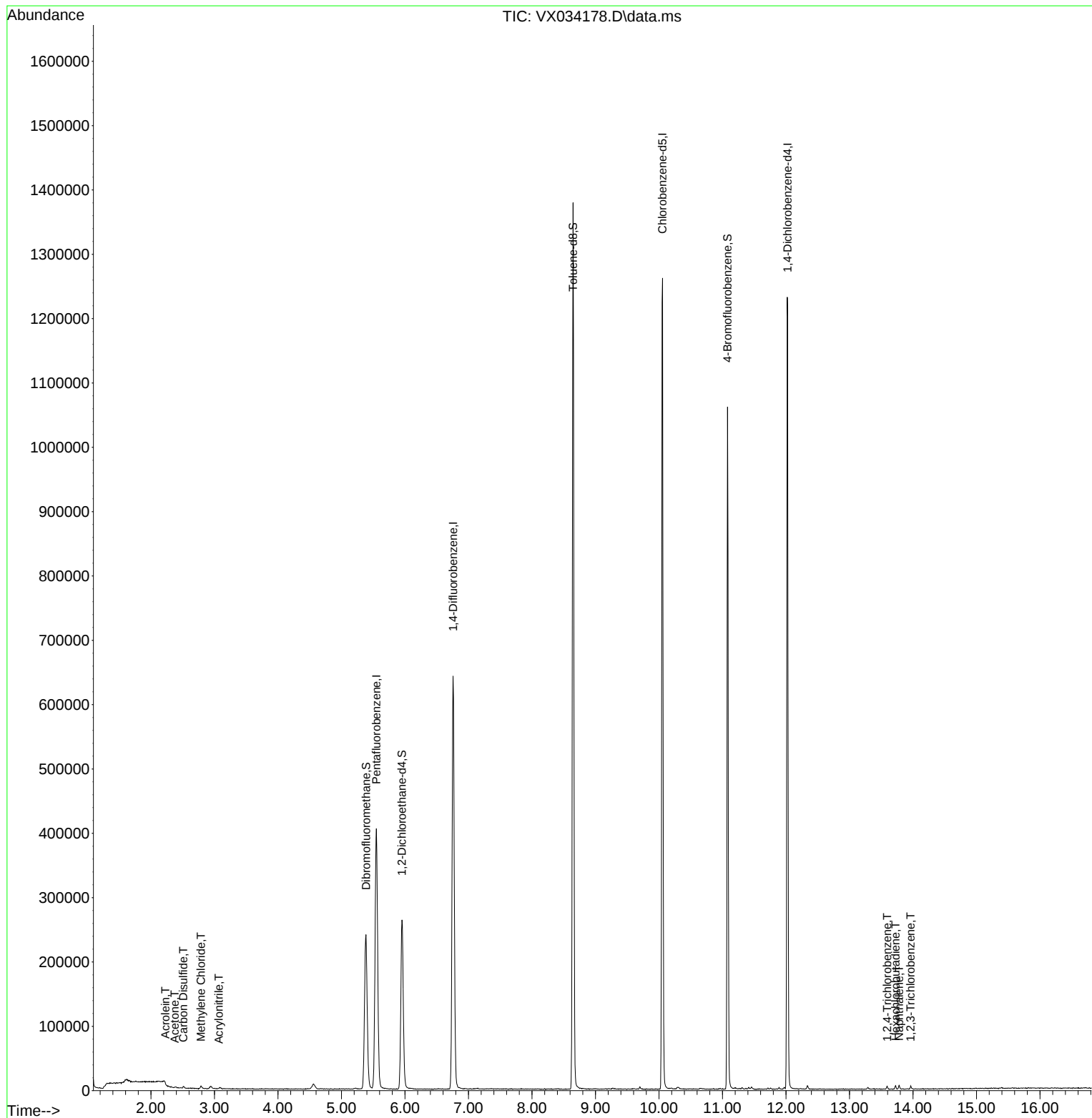
Internal Standards						
1) Pentafluorobenzene	5.550	168	403072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	677186	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	594135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	268435	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	240253	44.258	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.520%
35) Dibromofluoromethane	5.385	113	212789	48.261	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.520%
50) Toluene-d8	8.647	98	809478	51.135	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.260%
62) 4-Bromofluorobenzene	11.079	95	280874	46.386	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.780%
Target Compounds						
					Qvalue	
13) Acrolein	2.227	56	519	0.936	ug/l #	1
15) Acrylonitrile	3.069	53	826	0.312	ug/l #	84
16) Acetone	2.374	43	1414	0.505	ug/l	90
17) Carbon Disulfide	2.508	76	3484	0.278	ug/l #	95
20) Methylene Chloride	2.788	84	1833	0.363	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	1289	0.222	ug/l	96
94) Hexachlorobutadiene	13.725	225	737	0.307	ug/l	91
95) Naphthalene	13.780	128	4430	0.227	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	1338	0.232	ug/l	96

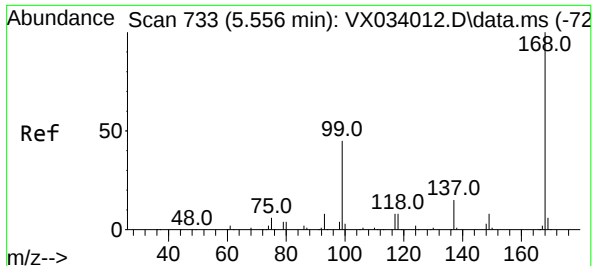
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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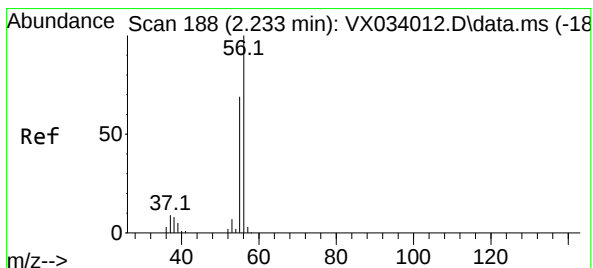
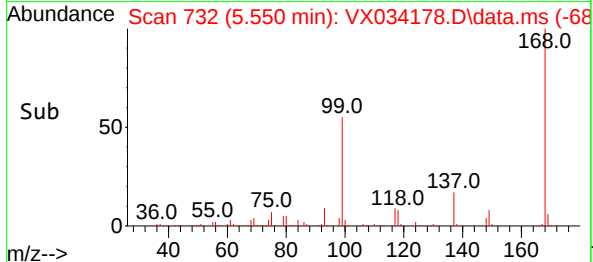
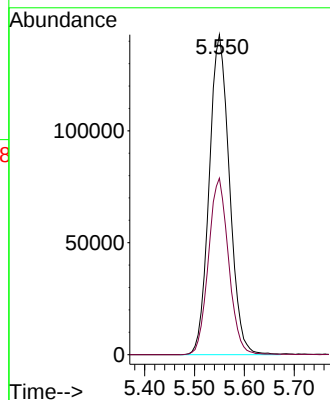
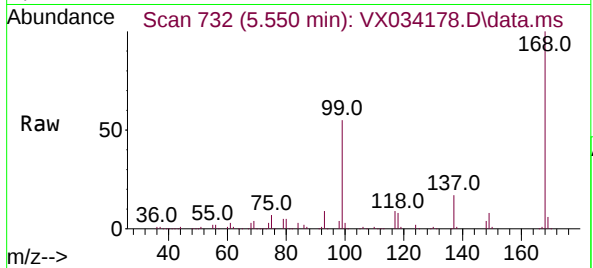




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034178.D
Acq: 20 Feb 2023 11:31

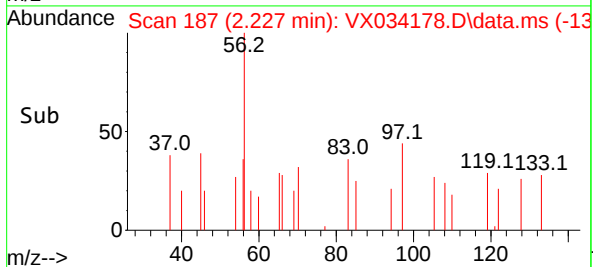
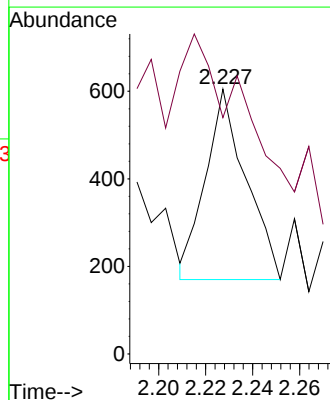
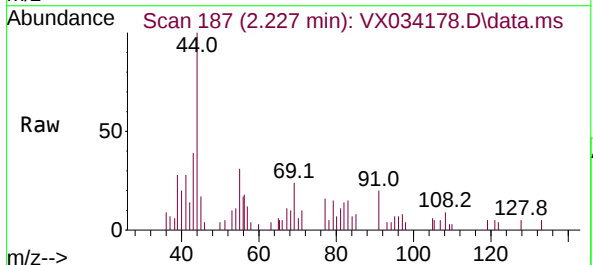
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

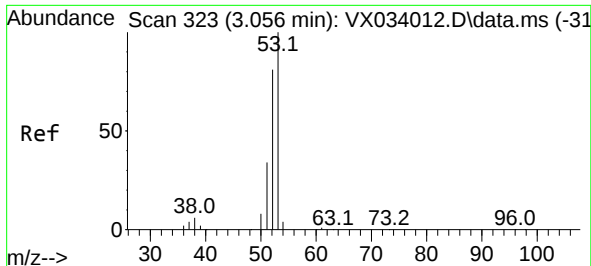
Tgt Ion:168 Resp: 403072
Ion Ratio Lower Upper
168 100
99 55.2 39.6 59.4



#13
Acrolein
Concen: 0.936 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX034178.D
Acq: 20 Feb 2023 11:31

Tgt Ion: 56 Resp: 519
Ion Ratio Lower Upper
56 100
55 169.4 56.3 84.5#





#15

Acrylonitrile

Concen: 0.312 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX034178.D

Acq: 20 Feb 2023 11:31

Instrument :

MSVOA_X

ClientSampleId :

VIBLK

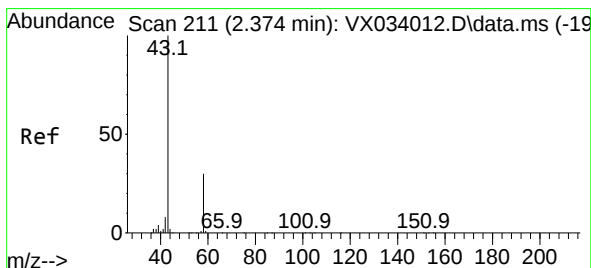
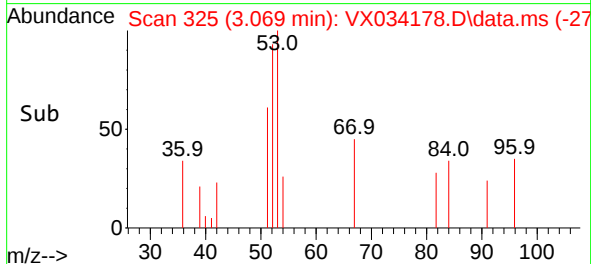
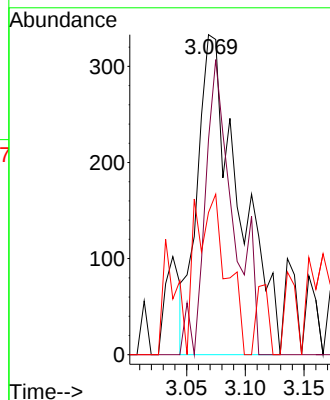
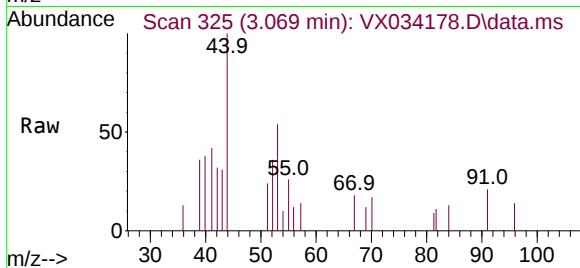
Tgt Ion: 53 Resp: 826

Ion Ratio Lower Upper

53 100

52 62.0 65.7 98.5#

51 36.7 29.0 43.4



#16

Acetone

Concen: 0.505 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX034178.D

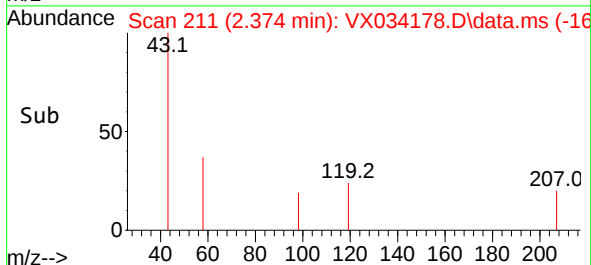
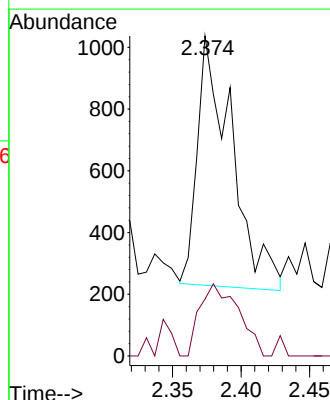
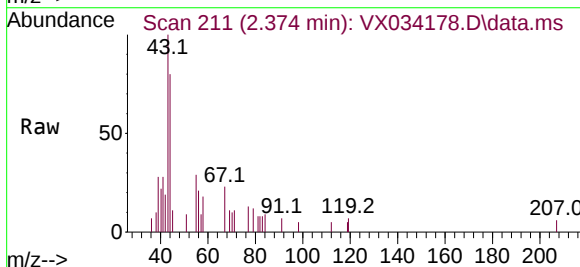
Acq: 20 Feb 2023 11:31

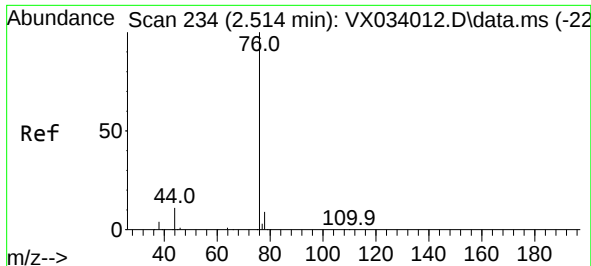
Tgt Ion: 43 Resp: 1414

Ion Ratio Lower Upper

43 100

58 23.1 22.6 33.8





#17

Carbon Disulfide

Concen: 0.278 ug/l

RT: 2.508 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX034178.D

Acq: 20 Feb 2023 11:31

Instrument :

MSVOA_X

ClientSampleId :

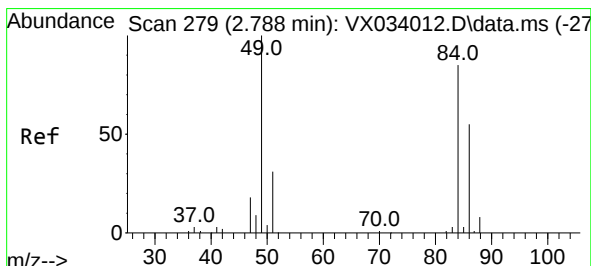
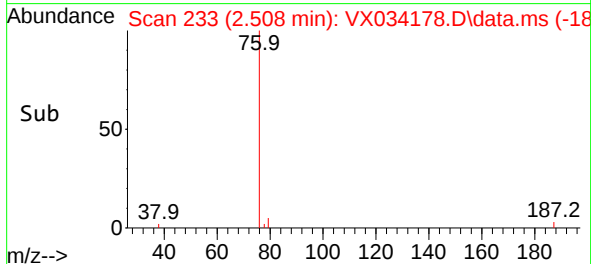
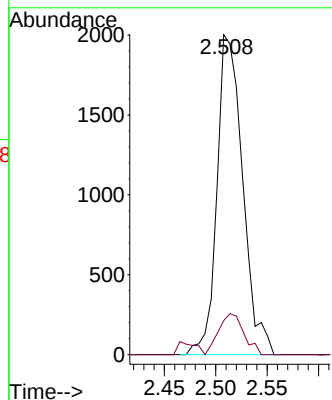
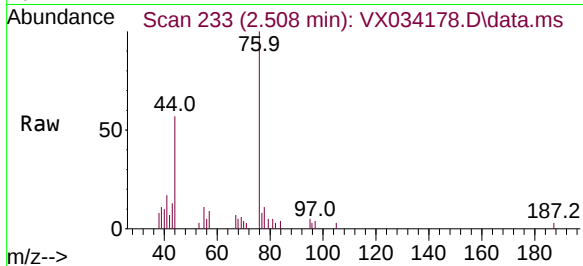
VIBLK

Tgt Ion: 76 Resp: 3484

Ion Ratio Lower Upper

76 100

78 10.6 7.0 10.6#



#20

Methylene Chloride

Concen: 0.363 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX034178.D

Acq: 20 Feb 2023 11:31

Tgt Ion: 84 Resp: 1833

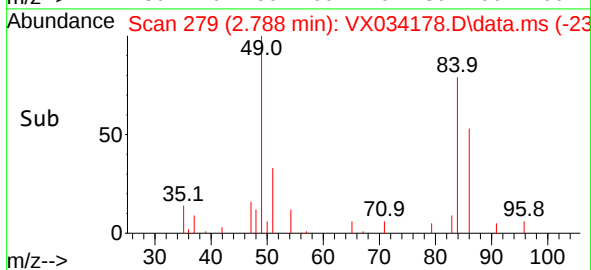
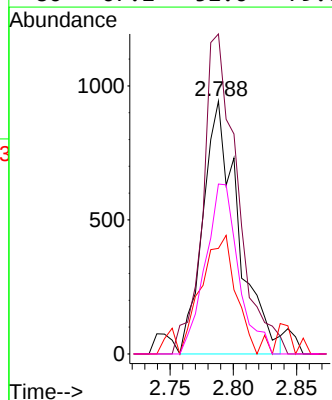
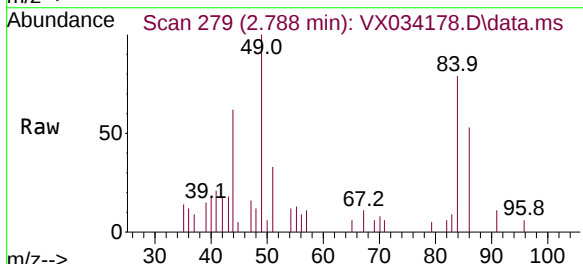
Ion Ratio Lower Upper

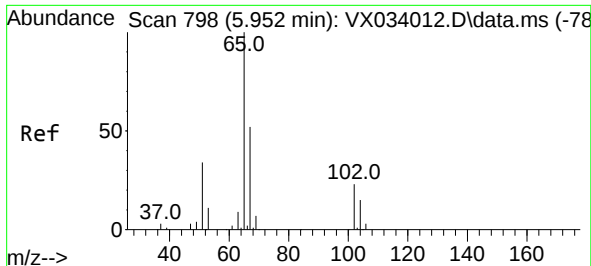
84 100

49 119.6 101.1 151.7

51 41.8 31.0 46.6

86 67.2 52.6 79.0





#33

1,2-Dichloroethane-d4

Concen: 44.258 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX034178.D

Acq: 20 Feb 2023 11:31

Instrument :

MSVOA_X

ClientSampleId :

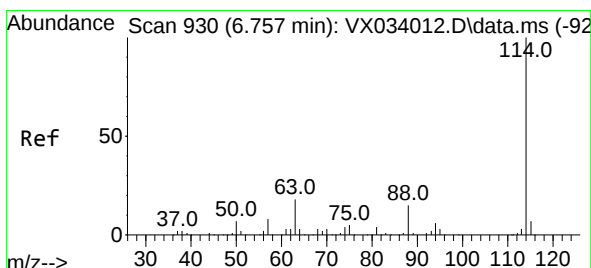
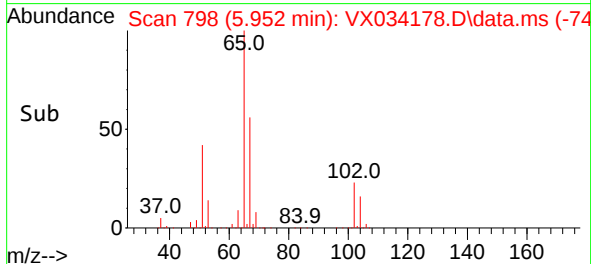
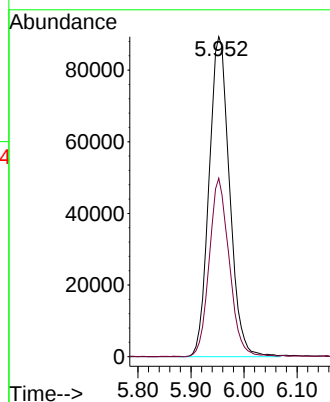
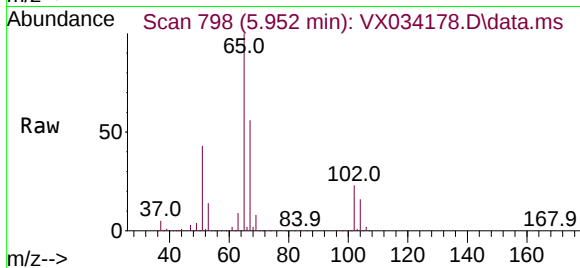
VIBLK

Tgt Ion: 65 Resp: 240253

Ion Ratio Lower Upper

65 100

67 54.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX034178.D

Acq: 20 Feb 2023 11:31

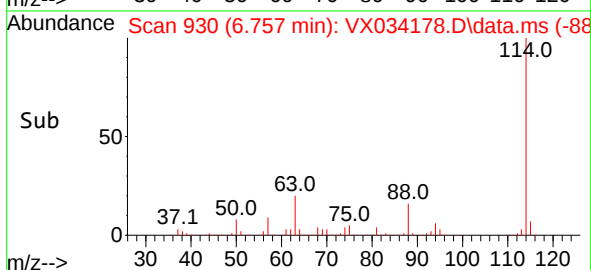
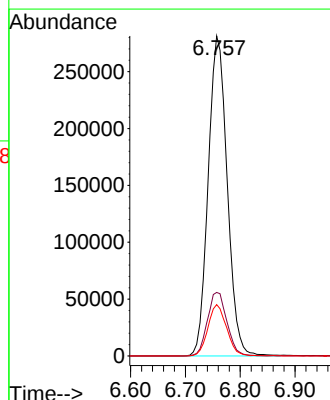
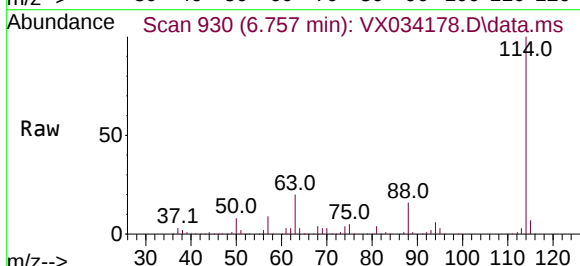
Tgt Ion: 114 Resp: 677186

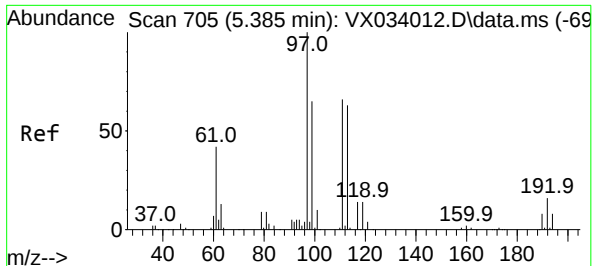
Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.4

88 16.0 0.0 30.6

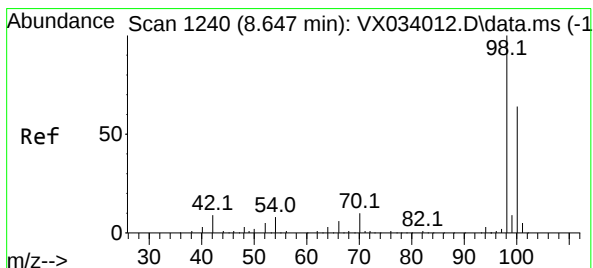
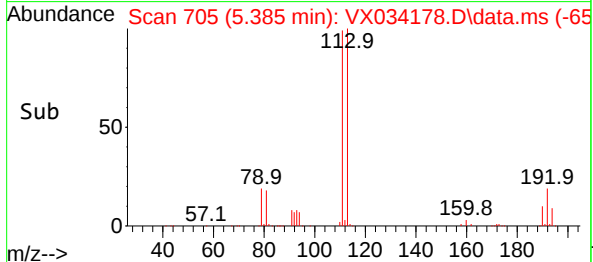
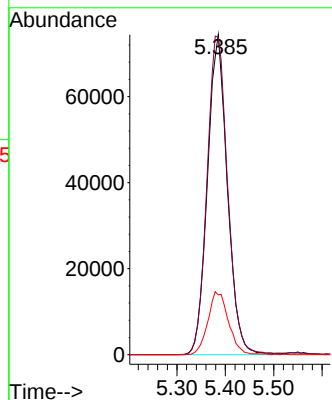
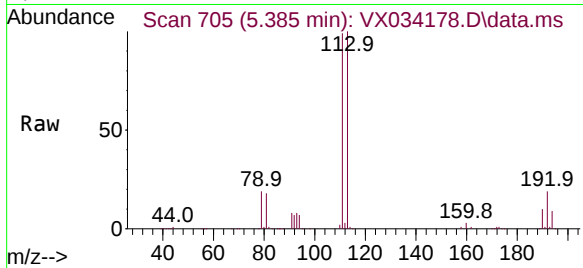




#35
Dibromofluoromethane
Concen: 48.261 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034178.D
Acq: 20 Feb 2023 11:31

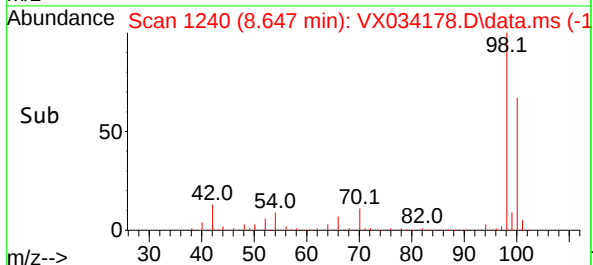
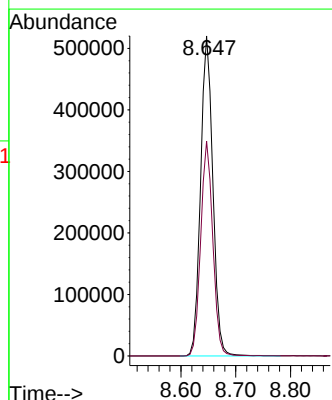
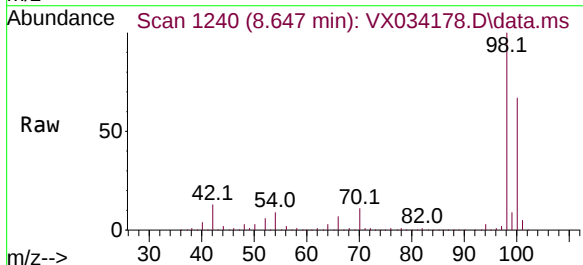
Instrument :
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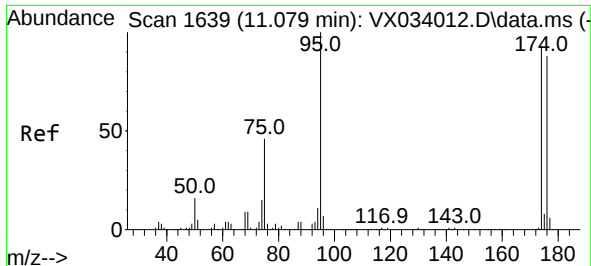
Tgt Ion:113 Resp: 212789
Ion Ratio Lower Upper
113 100
111 103.4 83.0 124.6
192 20.4 19.0 28.4



#50
Toluene-d8
Concen: 51.135 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034178.D
Acq: 20 Feb 2023 11:31

Tgt Ion: 98 Resp: 809478
Ion Ratio Lower Upper
98 100
100 66.3 53.6 80.4

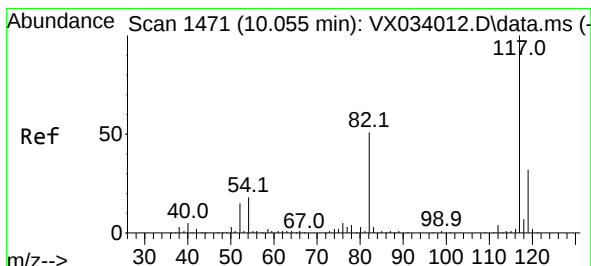
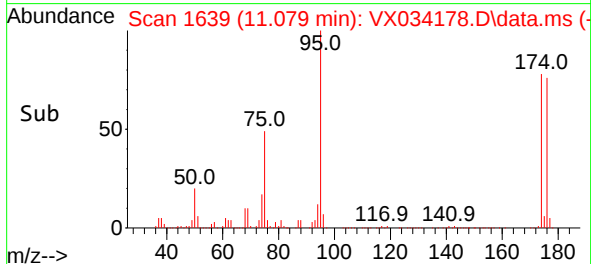
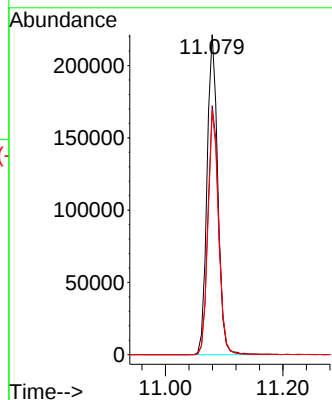
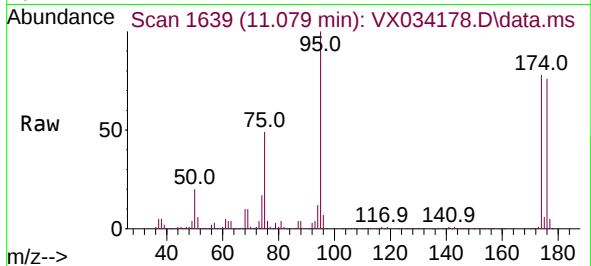




#62
4-Bromofluorobenzene
Concen: 46.386 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034178.D
Acq: 20 Feb 2023 11:31

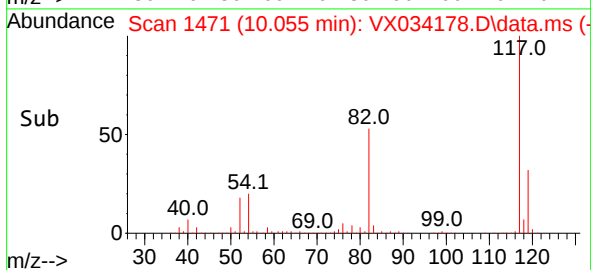
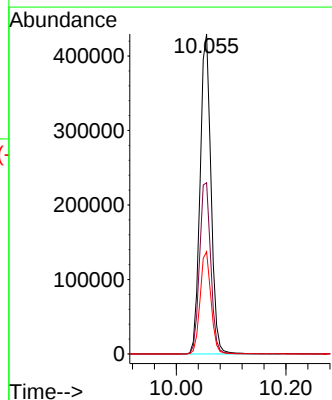
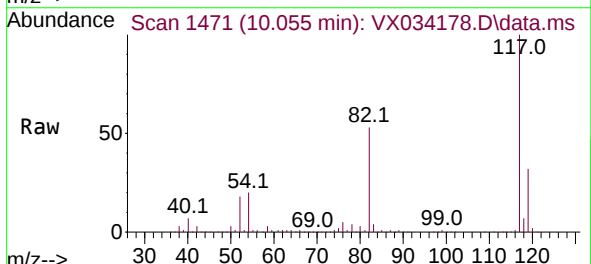
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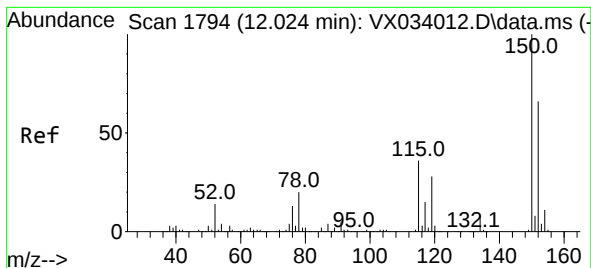
Tgt Ion: 95 Resp: 280874
Ion Ratio Lower Upper
95 100
174 77.9 0.0 184.4
176 74.9 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034178.D
Acq: 20 Feb 2023 11:31

Tgt Ion: 117 Resp: 594135
Ion Ratio Lower Upper
117 100
82 53.5 40.6 60.8
119 32.0 25.6 38.4

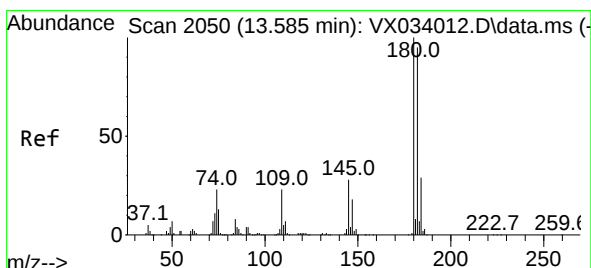
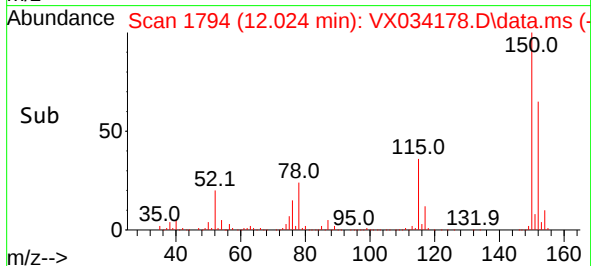
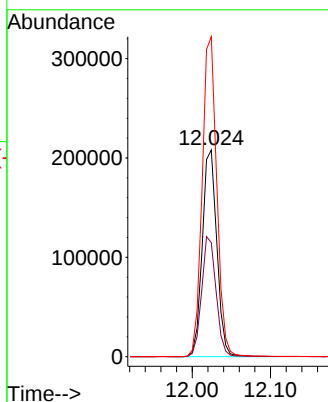
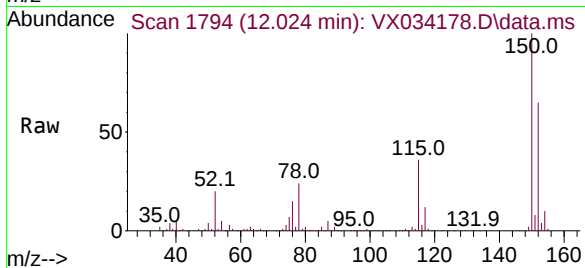




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034178.D
 Acq: 20 Feb 2023 11:31

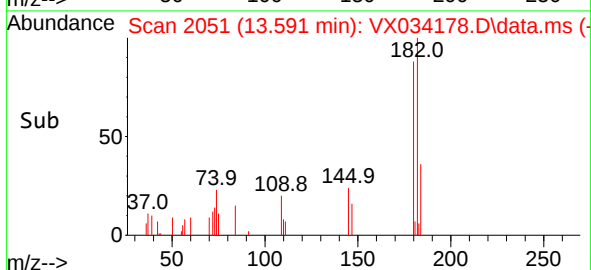
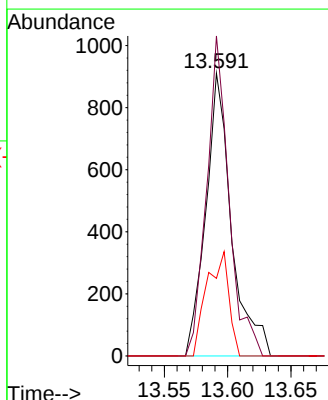
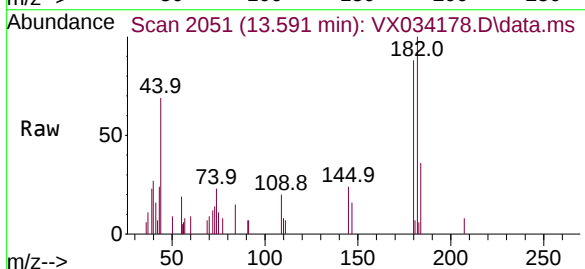
Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK

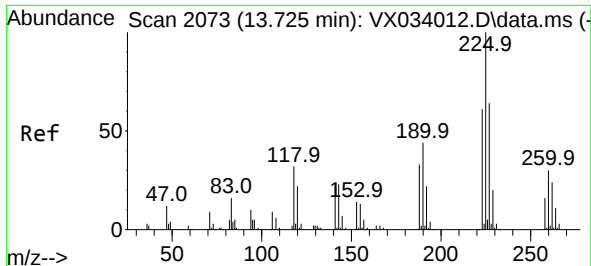
Tgt Ion:152 Resp: 268435
 Ion Ratio Lower Upper
 152 100
 115 57.9 38.7 116.1
 150 155.4 0.0 348.2



#93
 1,2,4-Trichlorobenzene
 Concen: 0.222 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.000 min
 Lab File: VX034178.D
 Acq: 20 Feb 2023 11:31

Tgt Ion:180 Resp: 1289
 Ion Ratio Lower Upper
 180 100
 182 98.4 47.9 143.6
 145 31.6 14.1 42.2

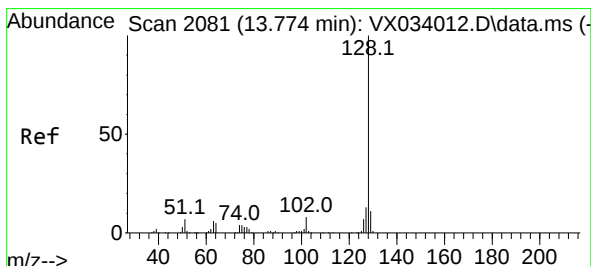
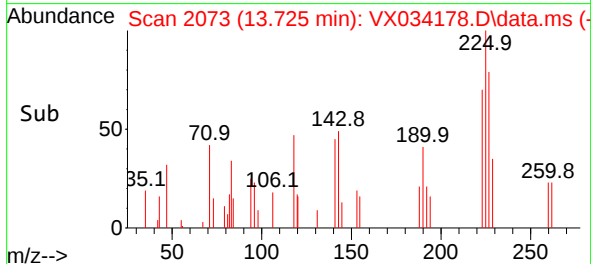
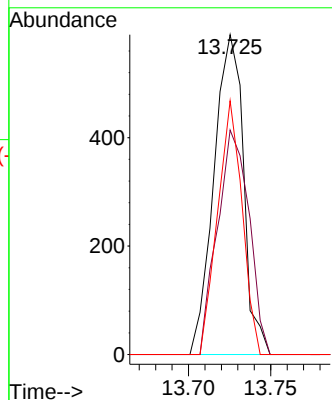
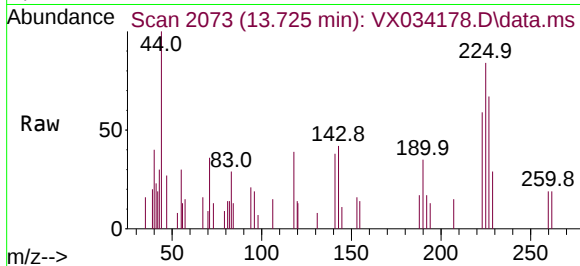




#94
Hexachlorobutadiene
Concen: 0.307 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX034178.D
Acq: 20 Feb 2023 11:31

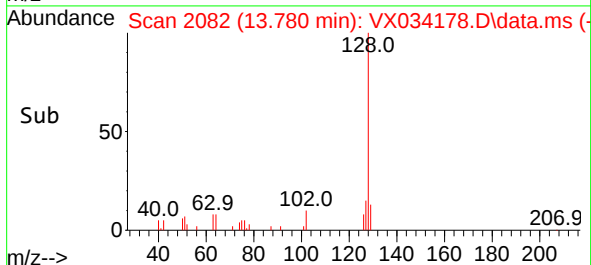
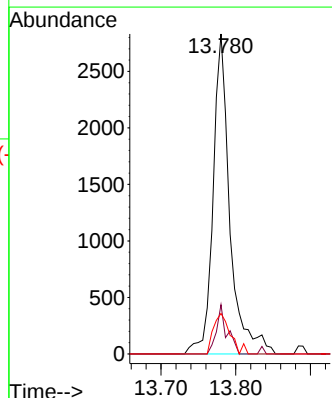
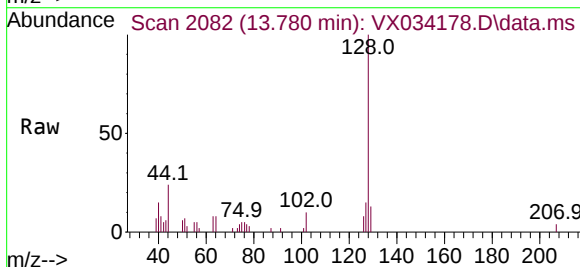
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

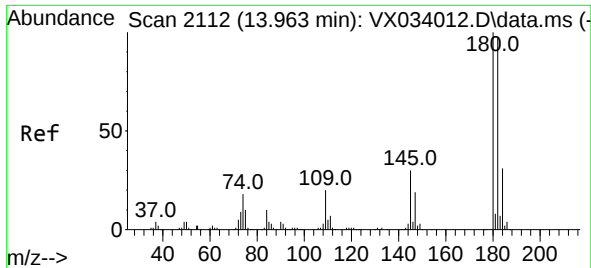
Tgt Ion:	225	Resp:	737
Ion	Ratio	Lower	Upper
225	100		
223	75.0	31.3	93.9
227	65.8	32.3	96.9



#95
Naphthalene
Concen: 0.227 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX034178.D
Acq: 20 Feb 2023 11:31

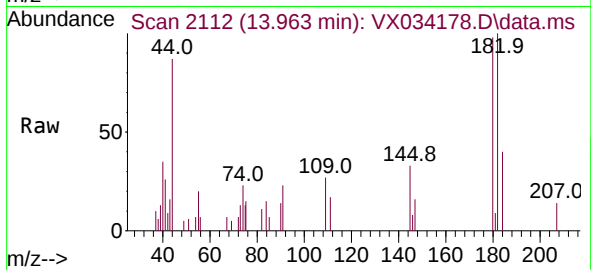
Tgt Ion:	128	Resp:	4430
Ion	Ratio	Lower	Upper
128	100		
127	9.6	10.3	15.5#
129	12.6	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.232 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX034178.D
 Acq: 20 Feb 2023 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK



Tgt Ion:	180	Resp:	1338
Ion	Ratio	Lower	Upper
180	100		
182	91.3	47.6	142.9
145	29.2	15.1	45.3

